

ABSTRACT

A hitch extension apparatus for attaching an implement with a pto driven drive shaft having front and rear universal joints to a tractor drawbar. The apparatus comprises a
5 first member adapted for attachment to the tractor drawbar by insertion of a drawbar pin through the drawbar such that the first member is fixed with respect to the drawbar. An extension member is pivotally attached to the first member about a horizontal pitch axis oriented perpendicular to the travel direction, and about a horizontal roll axis oriented parallel to the operating travel direction. The extension member defines a pivotal
10 attachment location rearward of the draw pin hole adapted for pivotal attachment of the implement about a vertical yaw axis located equidistant from the front and rear universal joints when the drive shaft is connected to the tractor power take off. The pitch axis can be located forward of the yaw axis, and forward of the draw pin hole in order to reduce bending forces on the drawbar.

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